

Abstract of the Disclosure

Enabled or activated closure and sealing devices in the form of closure balloons, and related methods, are disclosed, which substantially preclude entry and clotting of blood at the distal end of a lumen of an indwelling catheter tube during times when flow therein is not occurring. The closure and sealing balloon is disabled or deactivated to accommodate flow, without clotting, through the lumen of the catheter tube when flow therein is resumed.